

Fig. 1

Sampling Time Periods		
Upload Period	Entry Period	Sample Period
1 day — 208a	1 hour — 206a	1 minute — 204a
10 minutes — 208b	1 minute — 206b	10 sec — 204b

Fig. 2A

Data Acquisition Methods				
IBM AIX	Solaris	HP UX	Linux	Windows
Virtual Device (/dev/kmem)	/proc virtual filesystem	Ioctl's to device drivers	Ioctl's to device drivers	Registry
System Calls	System calls	System calls	System calls	System calls
	IOCTL.S		/proc virtual filesystem	Ioctl's to device drivers

Fig. 2B

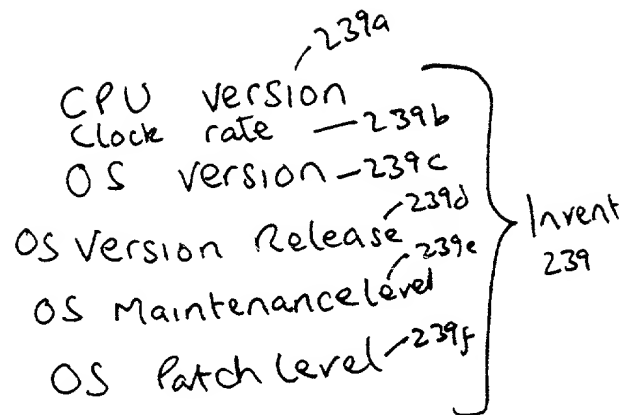
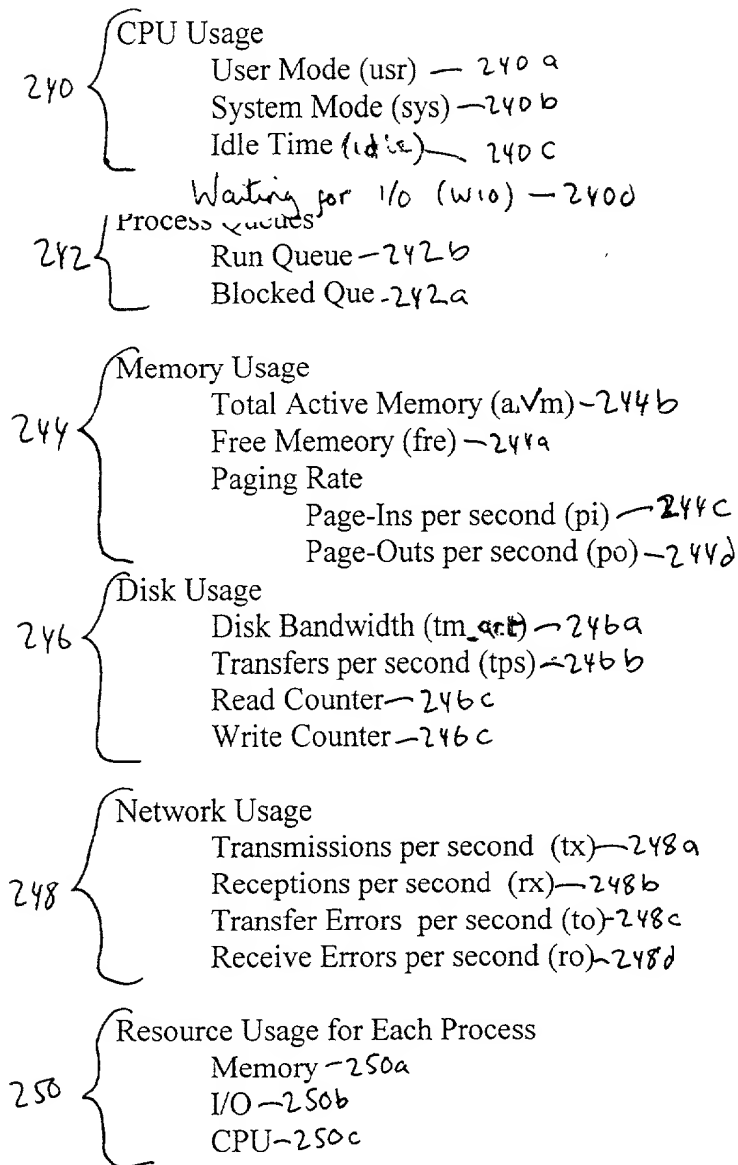
# CPU Usage

Threshold < 75% — 270  
Tolerance < 40% — 272

	> Threshold (75%)	< Threshold (75%)
< Tolerance (40%)	<p>CPU Usage was a <u>problem</u> as the average usage was sometimes above 75%. However, the average usage was above 75% for only 40% of the monitored period</p>	<p>CPU Usage was not a problem as shown in the graph below, with its average usage not exceeding 75%</p>
> Tolerance (40%)	<p>CPU Usage was a <u>problem</u> as the average usage was sometimes above 75%. The average usage was above 75% for more than 40% of the monitored period</p>	

Fig. 2D

# Data Collected



252 — Paging Space Occupancy

254 — File System Occupancy

256 — Logical Drive Occupancy

Fig. 2c

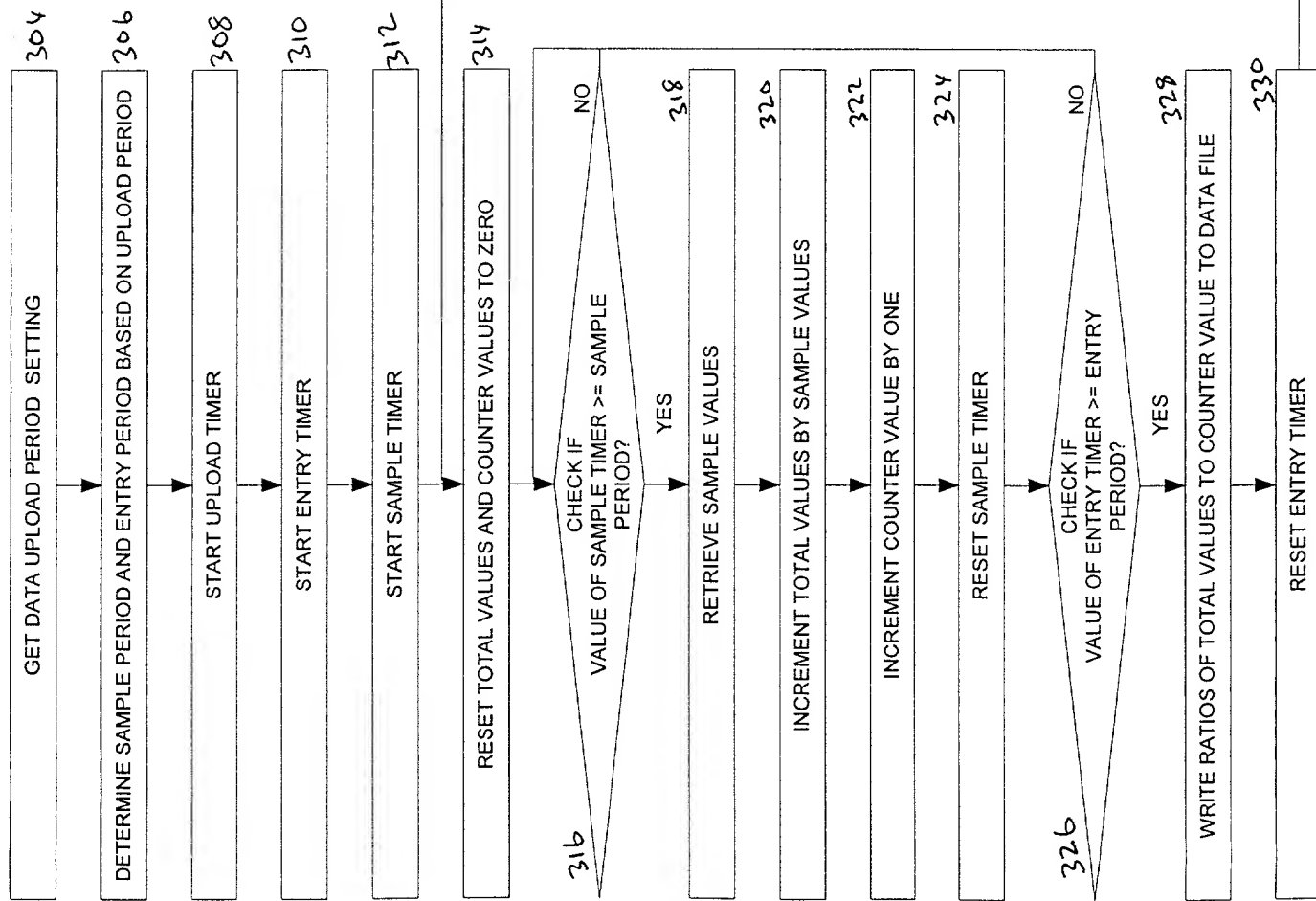


Fig. 3

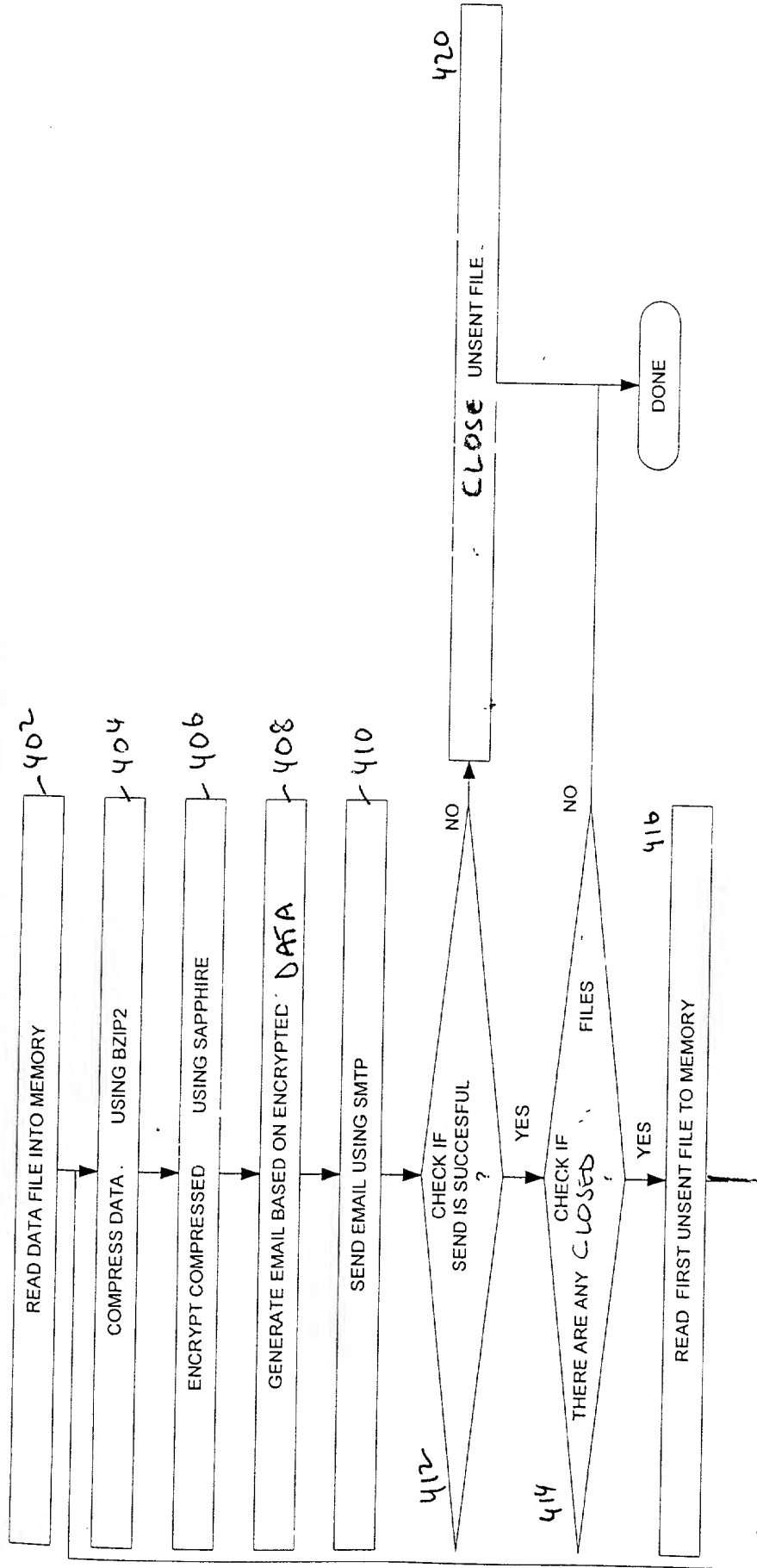


Fig 4

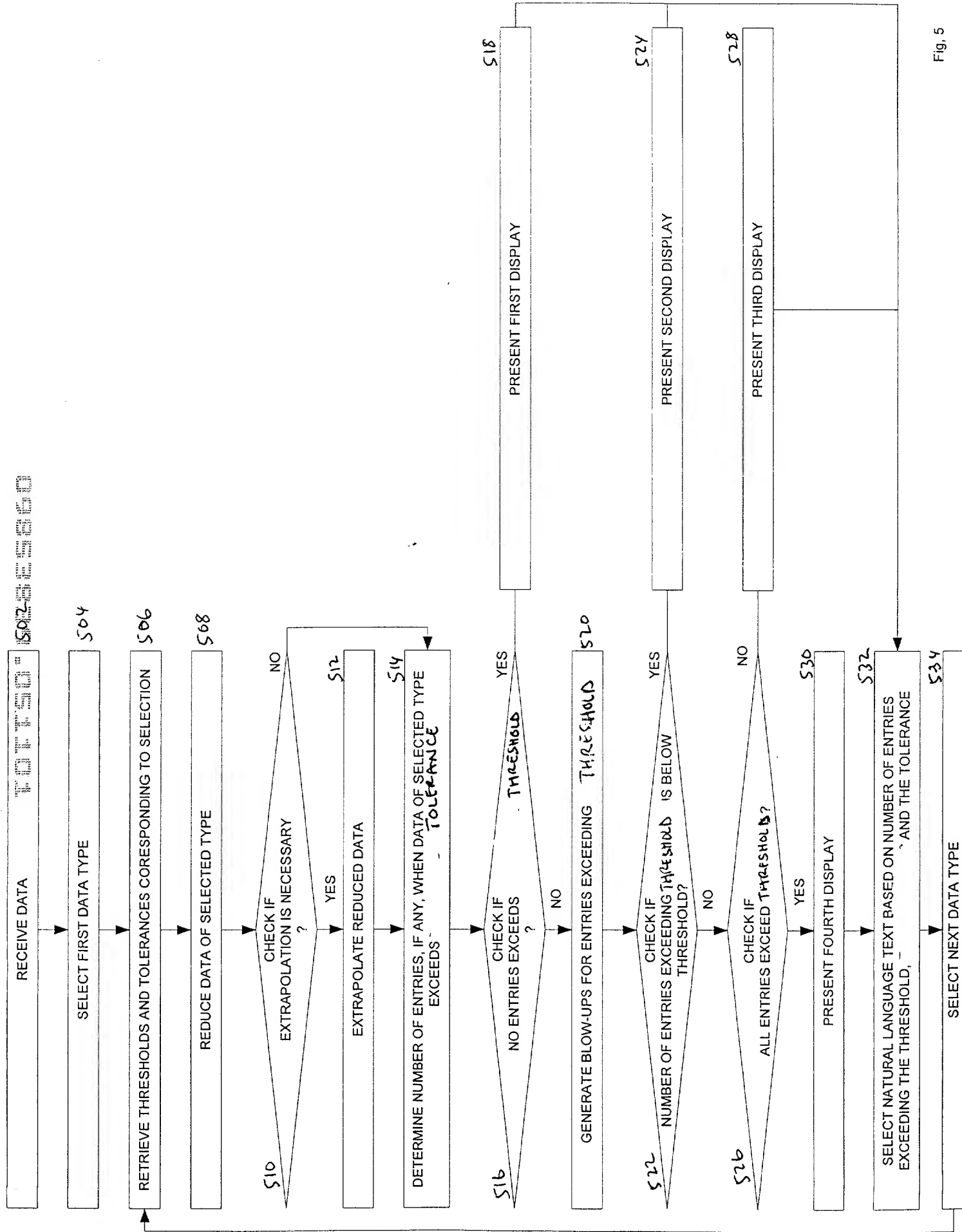


Fig. 5

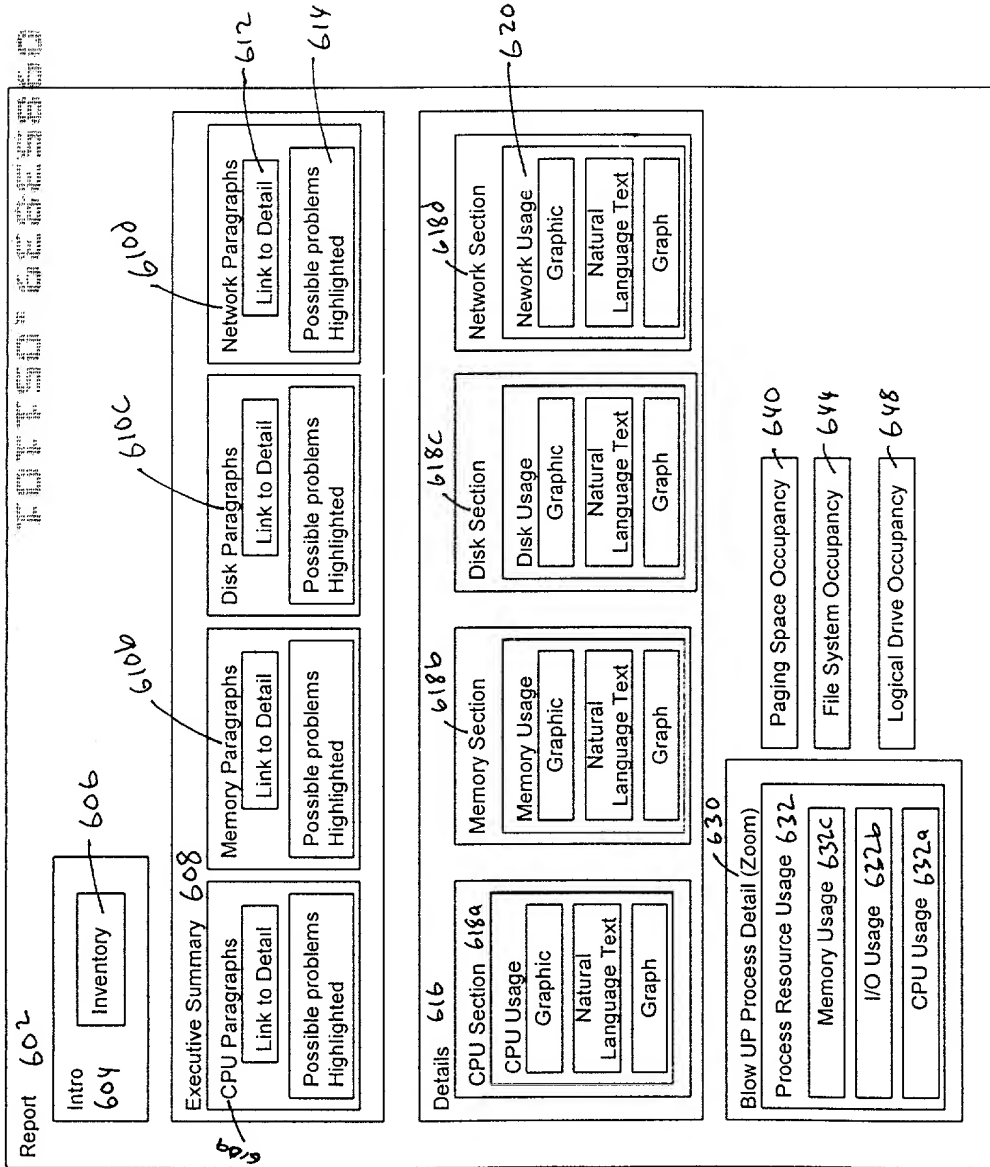


Fig 6

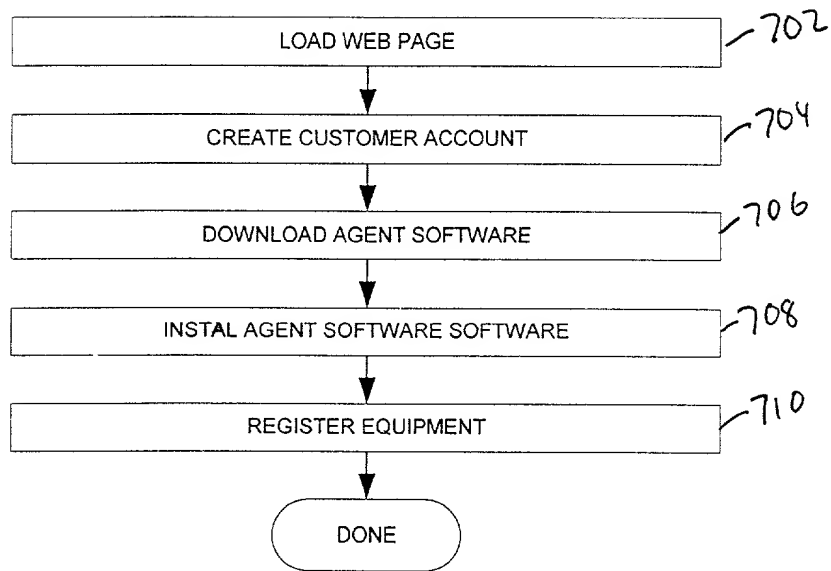


FIG. 7



101130 00000000

Automatos - The Automatic MSP (Management Service Provider) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Messenger

Address http://www.automatos.com/en/

804

806

808

802

THE AUTOMATIC MSP

Management Service Provider

THE COMPANY SERVICES DOWNLOAD CONTACT US

planning the future of your IT environment

Capacity Wizard

NEW!

QUICK START

YOUR ACCOUNT

TECHNICAL SUPPORT

CLIENTS

MSP ?

BE OUR PARTNER!

SEND THIS SITE

CHOOSE YOUR FAVORITE LANGUAGE

English

SELECTED ENTREPRENEUR

800-800-8000

X-Ray Report

The X-Ray Report presents conclusive information in natural language telling you what is going on with your server.

>> see example

MSP ?

Management Service Provider - An MSP provides management services to IT systems and electronic devices through the internet.

msp association executive member

>> read more

New Clients

Banco Santander

Submarino

Dedalus com

THE COMPANY SERVICES DOWNLOAD CONTACT US

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http://www.automatos.com/en/company/clients.html

Fig. 8

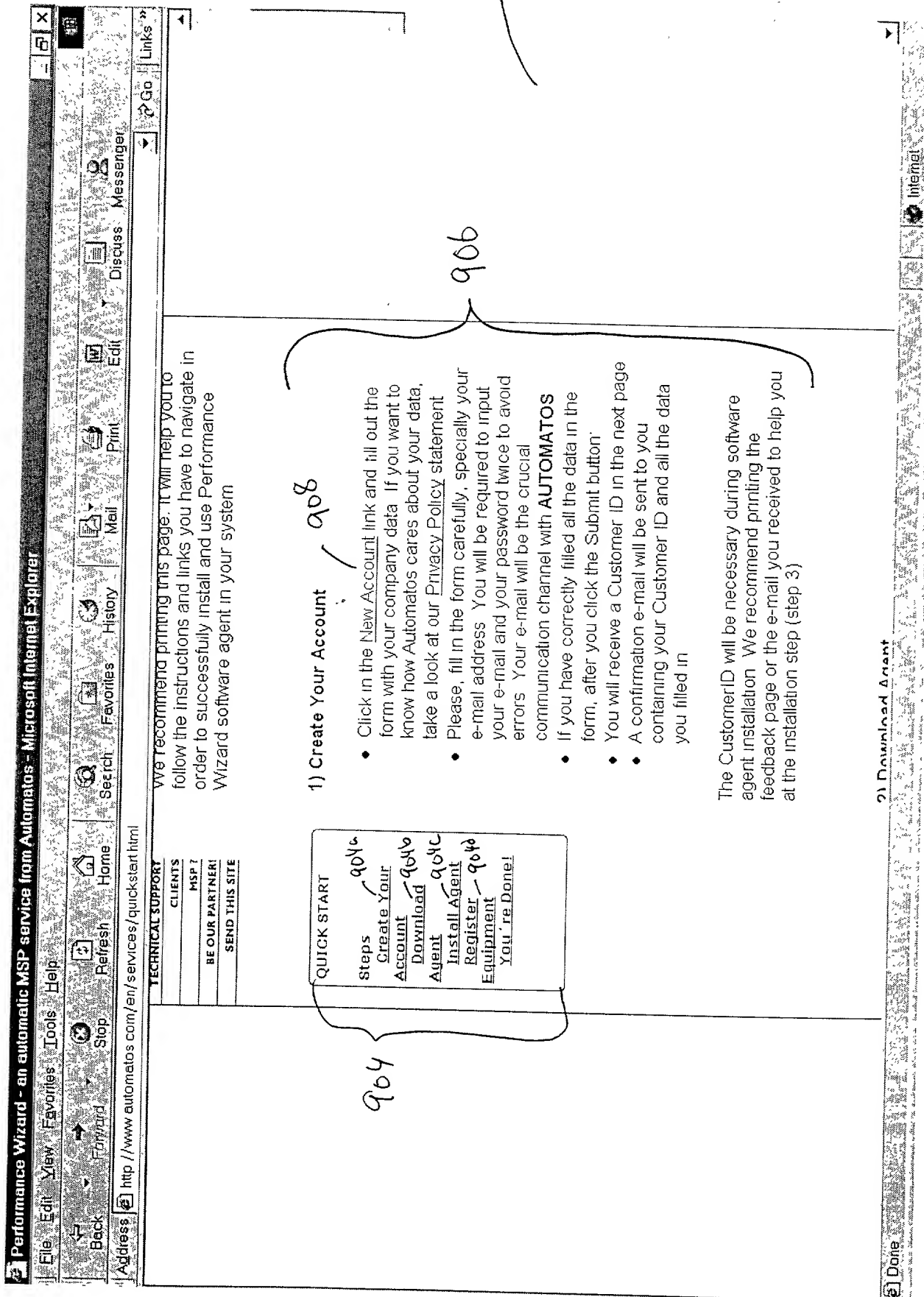


Fig. 9

Fig. 10

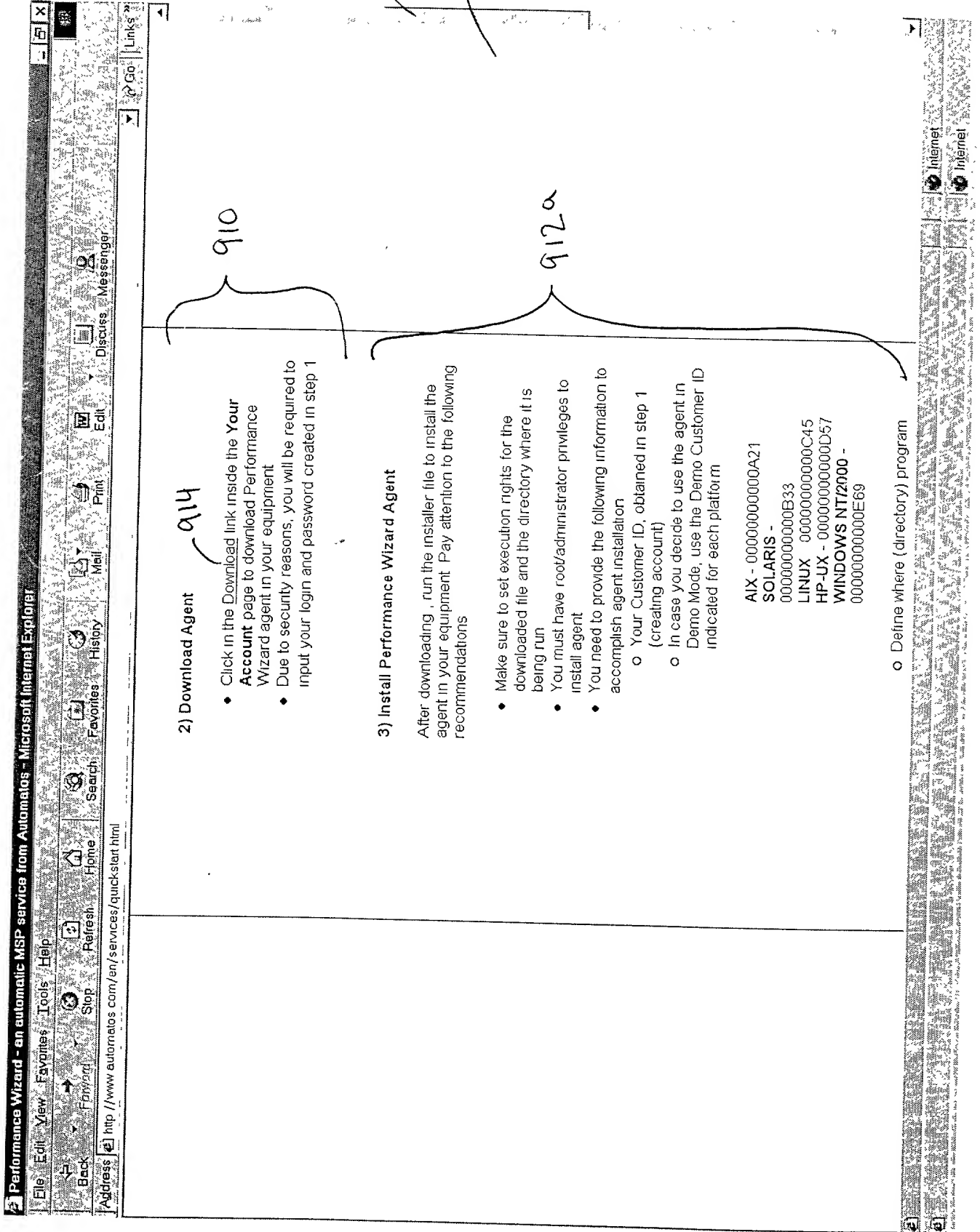


Fig. 11



920

922

924

Fig. 13

1300a

Fig. 14

Availability of Automatos' MSP Services - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Messenger

Address http://www.automatos.com/en/services/register.html

Go Links

Internet

COMPANY DATA

Company Name (if applicable): 1320

\* Address: 1322

\* City: 1324 State: 1326

\* Zip: 1328 \* Country: 1330 United States

\* Area Code: 1332 \* Phone: 1334

Fax: 1336

Company Industry: 1338

Click to select

How many employees in entire company? (if applicable)

Click to select: 1340

How many servers in entire company?

Click to select: 1342

How many server pools in entire company?

Click to select: 1344

Done

[ Top of the Page ]

1300b

1300c



Fig. 16

Availability of Automatos' MSP Services - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Messenger

Address http://www.automatos.com/en/services/register.html

Write down a Password retrieval question.  
It will be used to identify you to help you get your password back in case you forget it.

Exs: What's your mother's maiden name? What's your favorite dish?

Answer to password retrieval question

☒ Yes, I would like AUTOMATOS to send me offers and information by email

[ Top of the Page ]

If you have correctly filled all the data above, after you click the Submit button below

- You will receive a CustomerID in the next page
- A confirmation e-mail will be sent to you containing CustomerID and all the data filled above

The CustomerID will be necessary during software agent installation. We recommend printing the feedback page or the e-mail you've received to help you install the agent.

Submit Clear

1370 1372

[ Home ] [ Top of the Page ]

The Company | Services | Download | Contact Us

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13000



THE COMPANY SERVICES DOWNLOAD CONTACT US  
Management Service Provider

**NEW ACCOUNT**  
Buy Now | New Account | What is MSP? | Coming Soon

You have successfully created your account  
Your Customer ID is 00161700036413 — 1702  
A confirmation e-mail was sent to the e-mail address  
you defined

The next step to use Automatos' Services is Downloading agents **1764**

You will have to use the login and password you have just created to access this page

**! WARNING**

If you are accessing this home page using Internet Explorer running on any Windows 2000 platform you must have Service Pack 1 installed or else you won't be able to login. The Service Pack 1 is available for downloading at the link [windowsupdate.microsoft.com](http://windowsupdate.microsoft.com)

[\[ Home \]](#) [\[ Top of the Page \]](#)  
[Load](#) [Contact Us](#)

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Fig. 19

Microsoft Internet Explorer - AUTOMATOS INC.

Address: http://www.automatos.com/en/services/download.html

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discus Messenger

Performance Wizard Agents

**Windows NT/2000 Platform:**

NT Installers

HTTP Download  
 • perfwiz-2.3.1.0-  
 en.exe 1845094 bytes 1809b

FTP Download  
 • perfwiz-2.3.1.0-  
 en.exe 1845094 bytes 1809b

Supported versions  
 • Intel 8086-compatible hardware only  
 • Windows NT 4 Workstation / Server / Terminal Server  
 • NT 4.0 needs Service Pack 5 installed  
 • Windows 2000 Professional / Server / Advanced Server  
 • Windows 2000 needs Service Pack 1 installed 1810a

**Linux Platform:**

Linux Installer

HTTP Download  
 • perfwiz-2.3.1.0-  
 en.i386.rpm 632810 bytes 1809b

FTP Download  
 • perfwiz-2.3.1.0-  
 en.i386.rpm 632810 bytes 1809b

Supported versions  
 • Red Hat 6.2  
 • Connectiva 6.0 1810b

1804a

1804b

1800b

Done

Fig. 20

**AUTOMATOS INC. - Microsoft Internet Explorer**

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Messenger

Address: <http://www.automatos.com/en/services/download.html>

---

**IBM RS 6000 Platform:**

AIX Installers

HTTP Download  
 1806c { .perfwiz-2.3.1.0-en.bff 972800 bytes  
 .perfwiz-2.3.1.0-en.bff.gz 580744 bytes

FTP Download  
 1808c { .perfwiz-2.3.1.0-en.bff 972800 bytes  
 .perfwiz-2.3.1.0-en.bff.gz 580744 bytes

Supported versions  
 .AIX 4.3.2 and 4.3.3 } 1810c

**SUN Platforms:**

SUN SPARC Installers

HTTP Download  
 1806d { 1186816 bytes  
 .perfwiz-2.2.2.0-en.sparc 567628 bytes  
 .perfwiz-2.2.2.0-en.sparc.gz

FTP Download  
 1808d { 1186816 bytes  
 .perfwiz-2.2.2.0-en.sparc 567628 bytes  
 .perfwiz-2.2.2.0-en.sparc.gz

SUN INTEL Installers

HTTP Download  
 1806e { 1068032 bytes  
 .perfwiz-2.2.2.0-en.x86 577545 bytes  
 .perfwiz-2.2.2.0-en.x86.gz

1804c

1804d

1800c

Internet

Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Population density (per sq mile)
Algeria	1980	10.0	4.0	40.0	100	260
Algeria	1985	10.5	4.5	42.9	105	272
Algeria	1990	11.0	5.0	45.5	110	284
Algeria	1995	11.5	5.5	47.8	115	297
Algeria	2000	12.0	6.0	50.0	120	310
Algeria	2005	12.5	6.5	52.0	125	322
Algeria	2010	13.0	7.0	53.8	130	335
Algeria	2015	13.5	7.5	55.6	135	348
Algeria	2020	14.0	8.0	57.1	140	360
Algeria	2025	14.5	8.5	58.6	145	373
Algeria	2030	15.0	9.0	60.0	150	385
Algeria	2035	15.5	9.5	61.3	155	398
Algeria	2040	16.0	10.0	62.5	160	410
Algeria	2045	16.5	10.5	63.6	165	423
Algeria	2050	17.0	11.0	64.7	170	435
Algeria	2055	17.5	11.5	65.7	175	448
Algeria	2060	18.0	12.0	66.7	180	460
Algeria	2065	18.5	12.5	67.6	185	473
Algeria	2070	19.0	13.0	68.4	190	485
Algeria	2075	19.5	13.5	69.2	195	498
Algeria	2080	20.0	14.0	70.0	200	510
Algeria	2085	20.5	14.5	70.7	205	523
Algeria	2090	21.0	15.0	71.4	210	535
Algeria	2095	21.5	15.5	72.1	215	548
Algeria	2100	22.0	16.0	72.7	220	560
Algeria	2105	22.5	16.5	73.3	225	573
Algeria	2110	23.0	17.0	73.9	230	585
Algeria	2115	23.5	17.5	74.5	235	598
Algeria	2120	24.0	18.0	75.0	240	610
Algeria	2125	24.5	18.5	75.5	245	623
Algeria	2130	25.0	19.0	76.0	250	635
Algeria	2135	25.5	19.5	76.5	255	648
Algeria	2140	26.0	20.0	76.9	260	660
Algeria	2145	26.5	20.5	77.4	265	673
Algeria	2150	27.0	21.0	77.8	270	685
Algeria	2155	27.5	21.5	78.2	275	698
Algeria	2160	28.0	22.0	78.6	280	710
Algeria	2165	28.5	22.5	78.9	285	723
Algeria	2170	29.0	23.0	79.3	290	735
Algeria	2175	29.5	23.5	79.7	295	748
Algeria	2180	30.0	24.0	80.0	300	760
Algeria	2185	30.5	24.5	80.3	305	773
Algeria	2190	31.0	25.0	80.6	310	785
Algeria	2195	31.5	25.5	81.0	315	798
Algeria	2200	32.0	26.0	81.3	320	810
Algeria	2205	32.5	26.5	81.6	325	823
Algeria	2210	33.0	27.0	81.8	330	835
Algeria	2215	33.5	27.5	82.1	335	848
Algeria	2220	34.0	28.0	82.4	340	860
Algeria	2225	34.5	28.5	82.6	345	873
Algeria	2230	35.0	29.0	82.9	350	885
Algeria	2235	35.5	29.5	83.1	355	898
Algeria	2240	36.0	30.0	83.3	360	910
Algeria	2245	36.5	30.5	83.6	365	923
Algeria	2250					



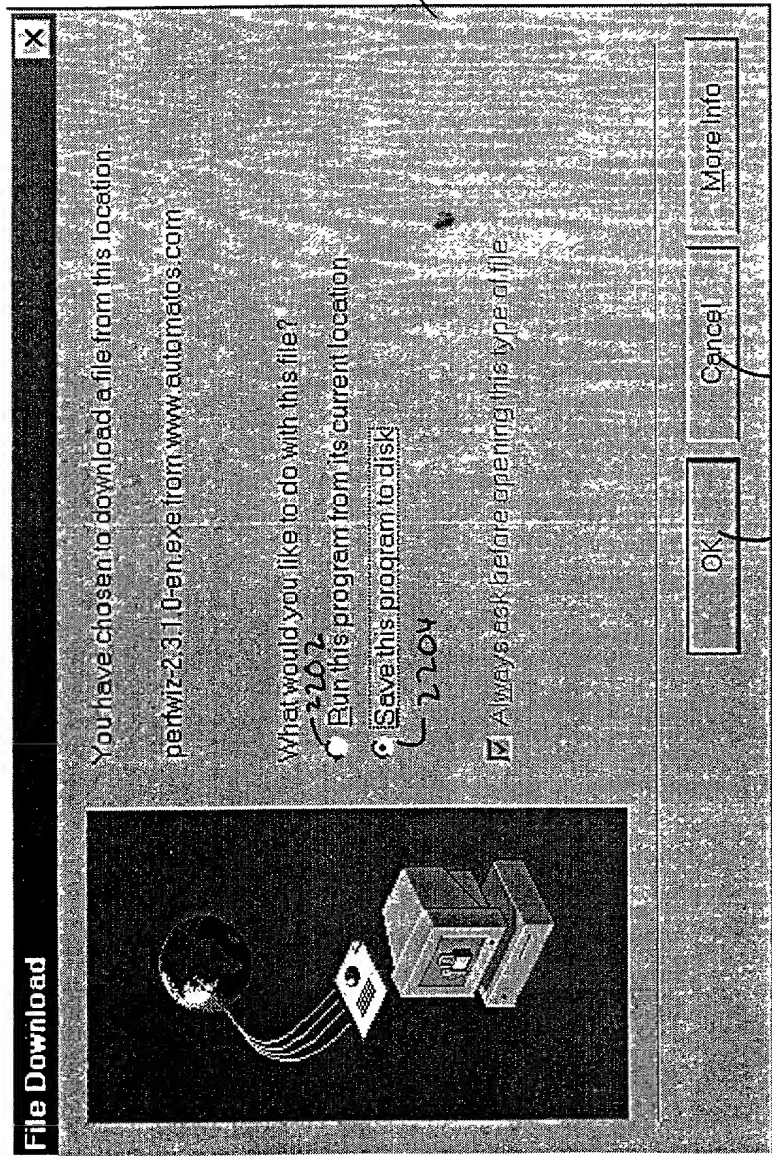


fig. 22

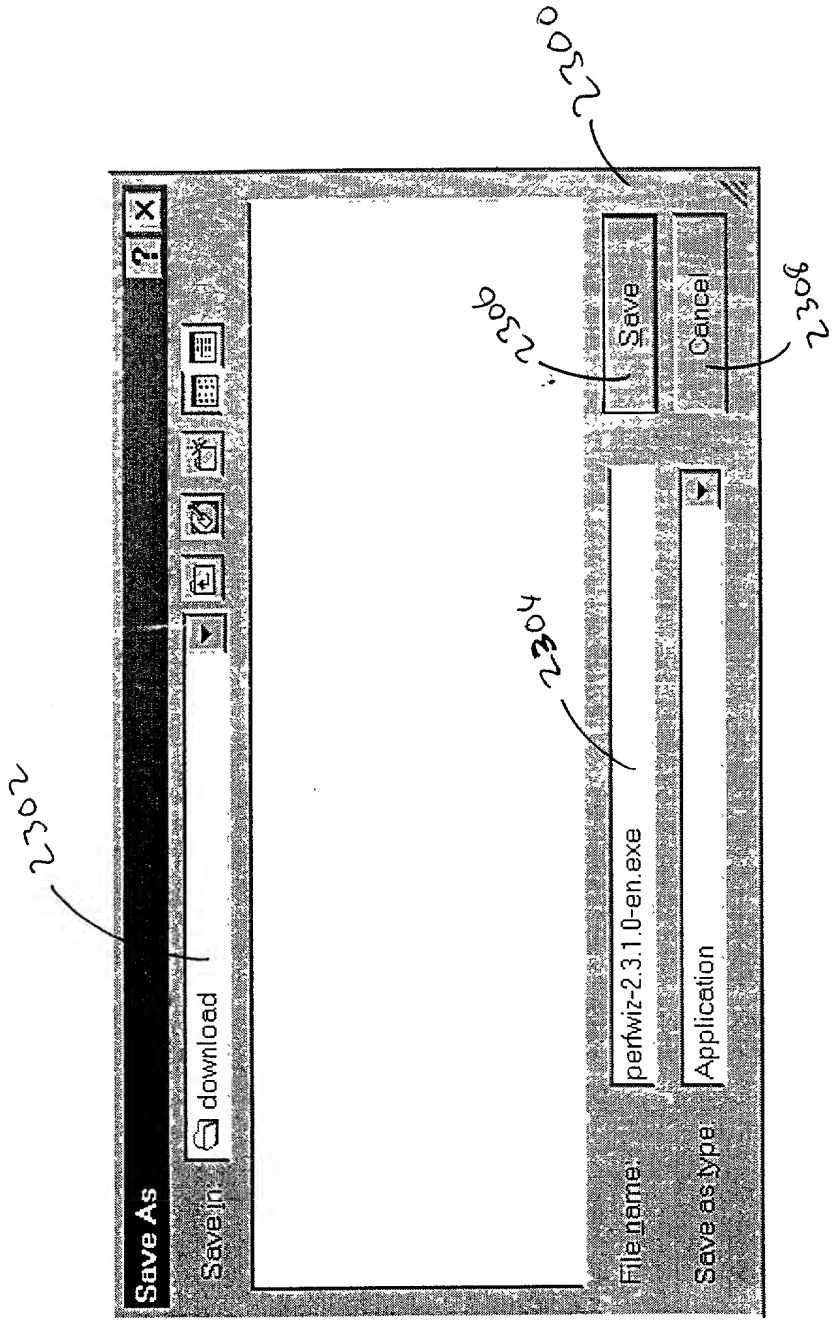


fig. 23



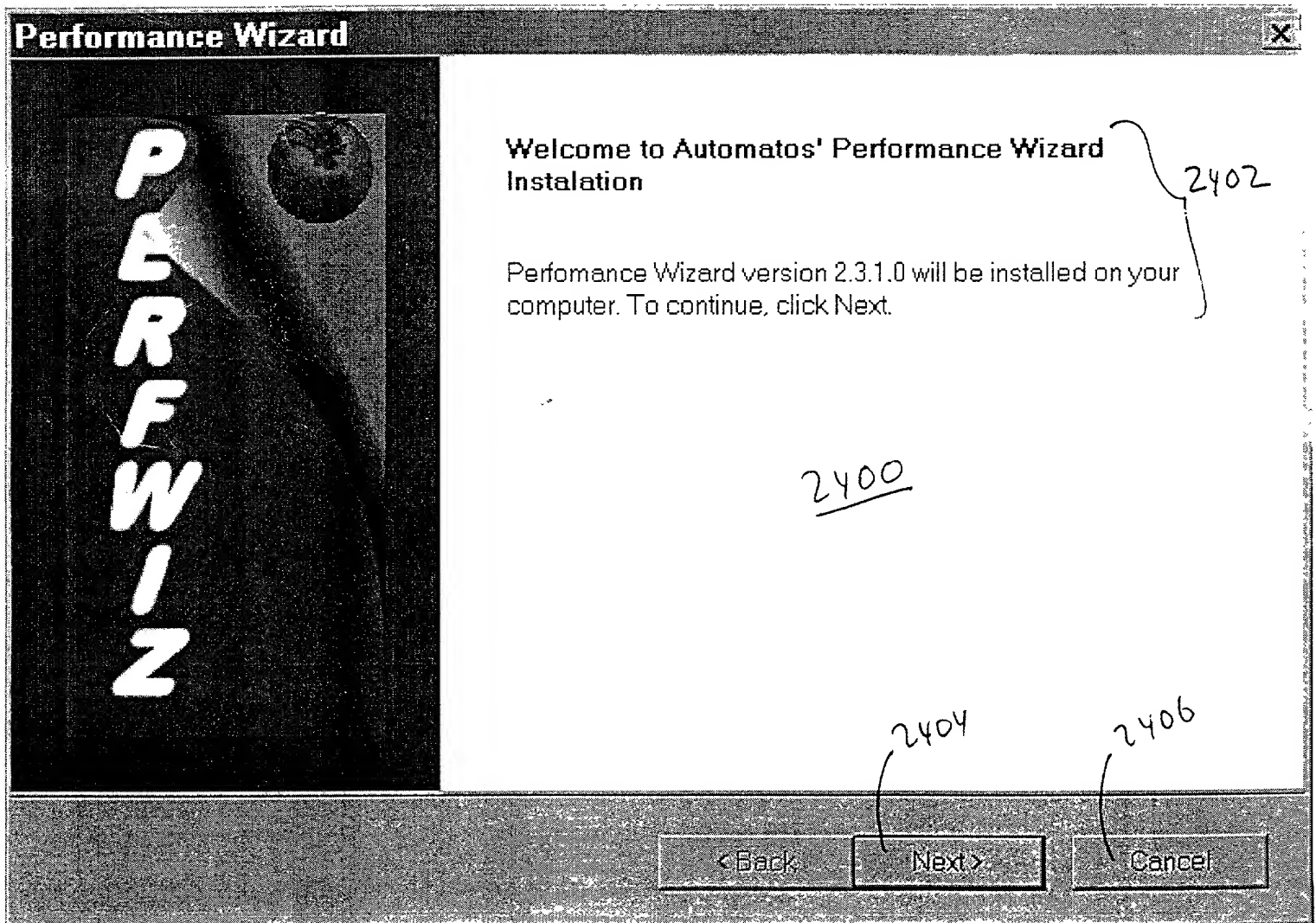


Fig. 24

## Performance Wizard



### CustomerID

Please inform your customerID.



If you have a CustomerID (assigned to you during your enrollment with Automatos Inc.) enter it now.

Otherwise accept the default to try out the performance analysis service for a limited period free of charge. Check [www.automatos.com](http://www.automatos.com) for details.

CustomerID:

000000000000-2502

2500

2506

2504

2508

InstallShield

< Back

Next >

Cancel

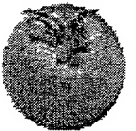
Fig. 25

## Performance Wizard



### SMTP

SMTP server and sender information



If you have an SMTP server in your organization, enter it's name or IP address.  
Otherwise accept the default to use Automatos's SMTP server.  
Note: Automatos's SMTP server uses port 25. If you are behind a firewall, make sure this port is not blocked.

SMTP server:

mail.automatos.com — 2602

SMTP port:

25 — 2604

e-mail from:

2600

InstallShield

< Back

Next >

Cancel

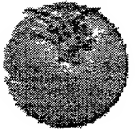
Fig. 26

## Performance Wizard



### Choose Destination Location

Select folder where Setup will install files.



Setup will install Performance Wizard in the following folder:

To install to this folder, click Next. To install to a different folder, click Browse and select another folder.

2700

Destination Folder

C:\Program Files\Automatos\Performance Wizard

Browse...

2702

2704

InstallShield

< Back

Next >

Cancel

2706

fig. 27



## Performance Wizard



### Setup Type

Select the Setup Type to install.



Click the type of Setup you prefer, then click Next.

- ☒ Typical Program will be installed with the most common options. Recommended for most users.
- ☐ Compact Program will be installed with minimum required options.
- ☐ Custom You may choose the options you want to install. Recommended for advanced users.

InstallShield

< Back

Next >

Cancel

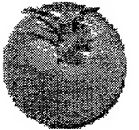
fig. 28

## Performance Wizard



### Select Components

Choose the components Setup will install.



Select the components you want to install, and clear the components you do not want to install.

- ☒ Program Files
- ☒ Documentation
- ☐ Samples

} 2902

#### Description

Executable Files and DLLs

2900

Space Required on C: 2052 K

Space Available on C: 1180496 K

InstallShield

< Back

Next >

Cancel

Fig. 29

## Performance Wizard

X

### Service Enablement



Service enablement is required to inform the e-mail to whom analysis reports will be sent

☒ Enable the service for this host now

☐ Do it later at [www.automatos.com](http://www.automatos.com)

InstallShield

< Back

Next >

Cancel

Fig. 30

## Performance Wizard



### Enablement information



Please, inform the e-mail address to whom analysis report should be sent.

Performance analysis reports can be encrypted. To enable encryption enter an encryption password and confirm it.

e-mail to:

3102

Password:

3104

Confirm password:

3106

InstallShield

3108

< Back

Next >

Cancel

Fig. 31



## Performance Wizard



### Enablement information



C> OPEN mail.automatos.com port 25  
S> 220 automatos.com ESMTP Sendmail 8.9.3/8.8.7; Wed, 2 May 2001 19:03:29 +0400  
C> HELO  
S> 250 automatos.com Hello marialexandre.interaction.com.br [200.198.86.6], pleased to meet you  
C> MAIL FROM: mca@pobox.com  
S> 250 <mca@pobox.com>... Sender ok  
C> RCPT TO: enrollment@automatos.com  
S> 250 <enrollment@automatos.com>... Recipient ok  
C> DATA  
S> 354 Enter mail, end with "." on a line by itself  
C> sending data  
S> 250 TAA20857 Message accepted for delivery  
C> QUIT  
S> 221 automatos.com closing connection

3202

InstallShield

Done!!!

3200

<Back

3204  
Next>

Cancel

Fig. 32

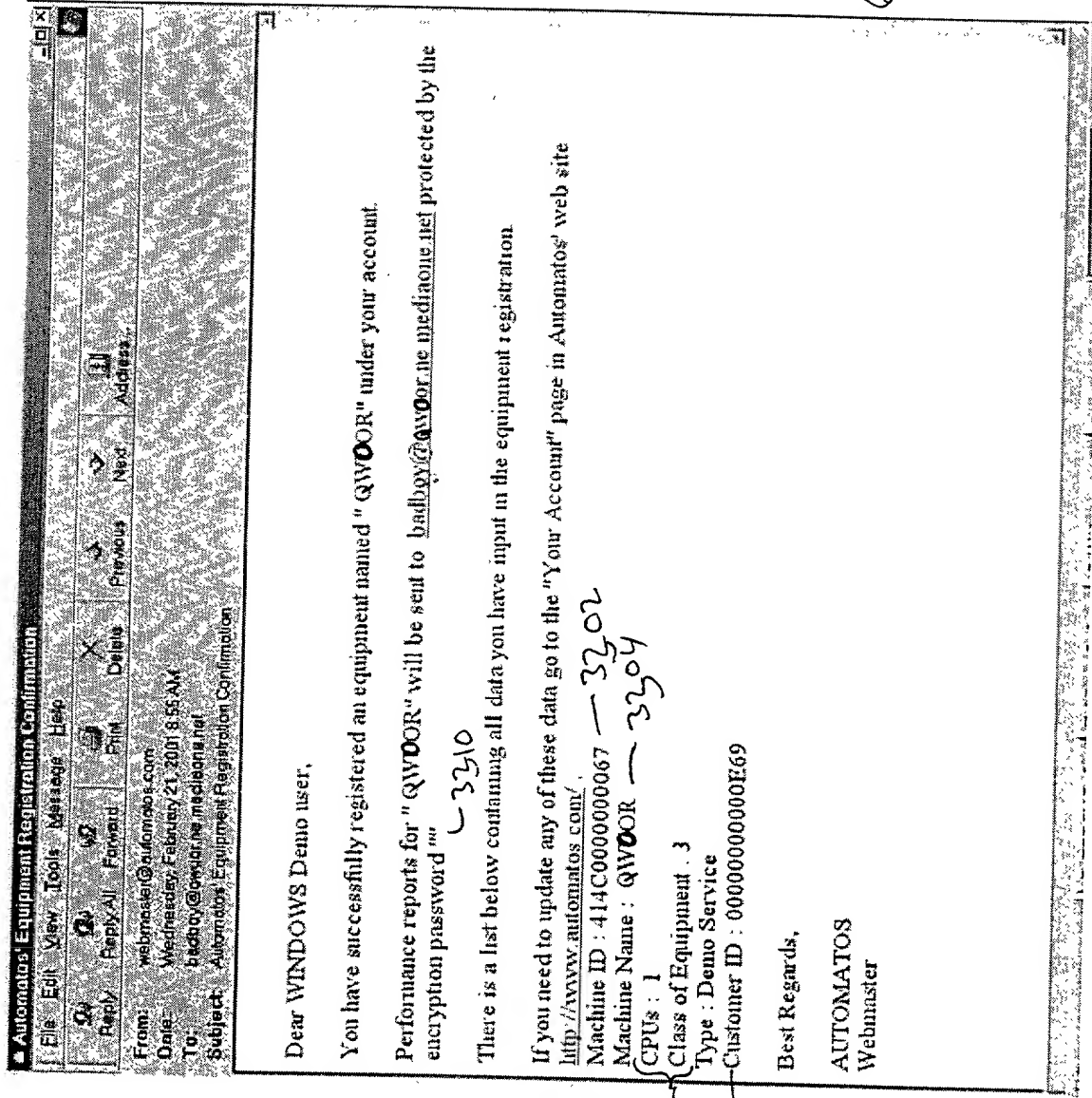


fig. 33

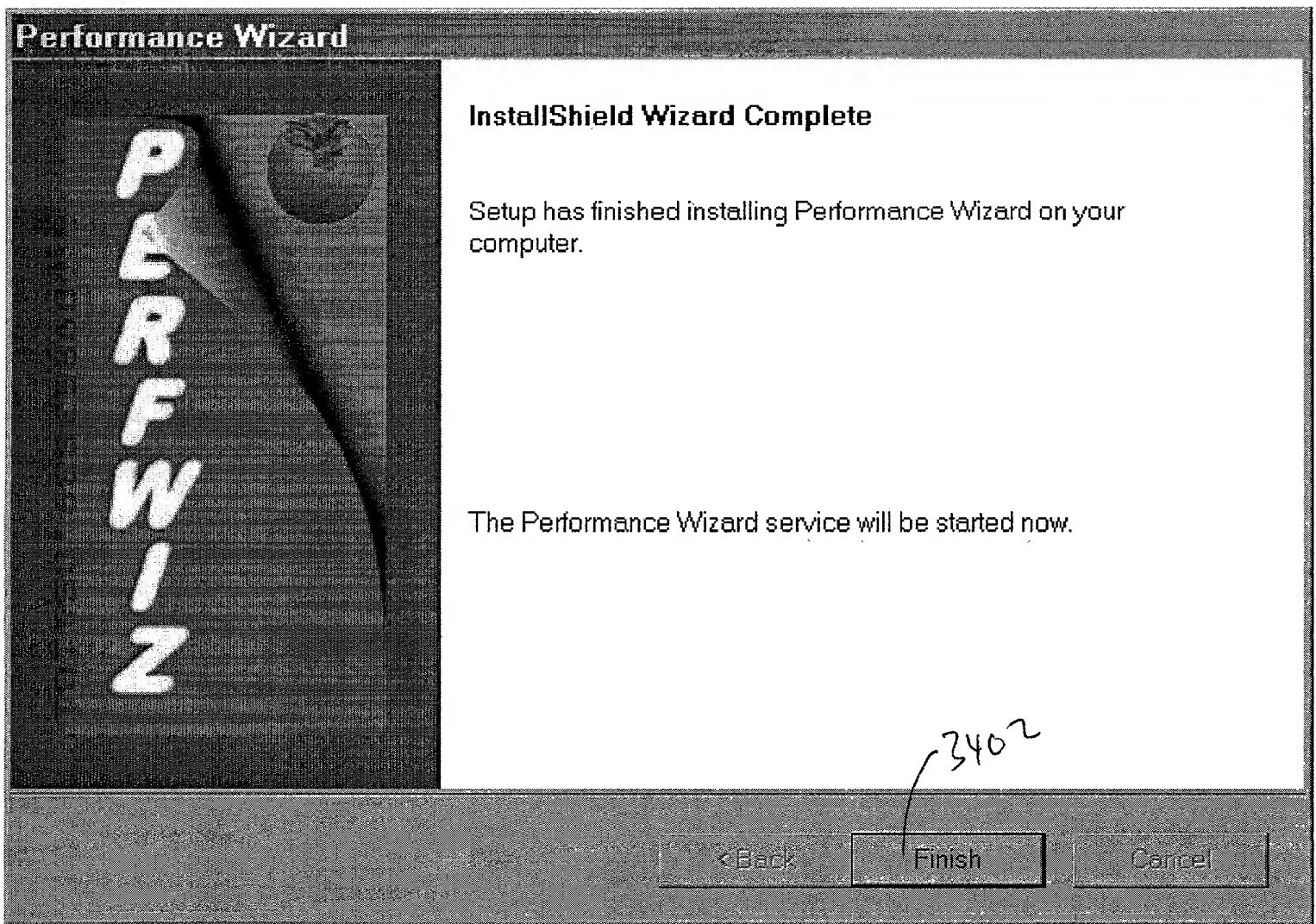


Fig. 34

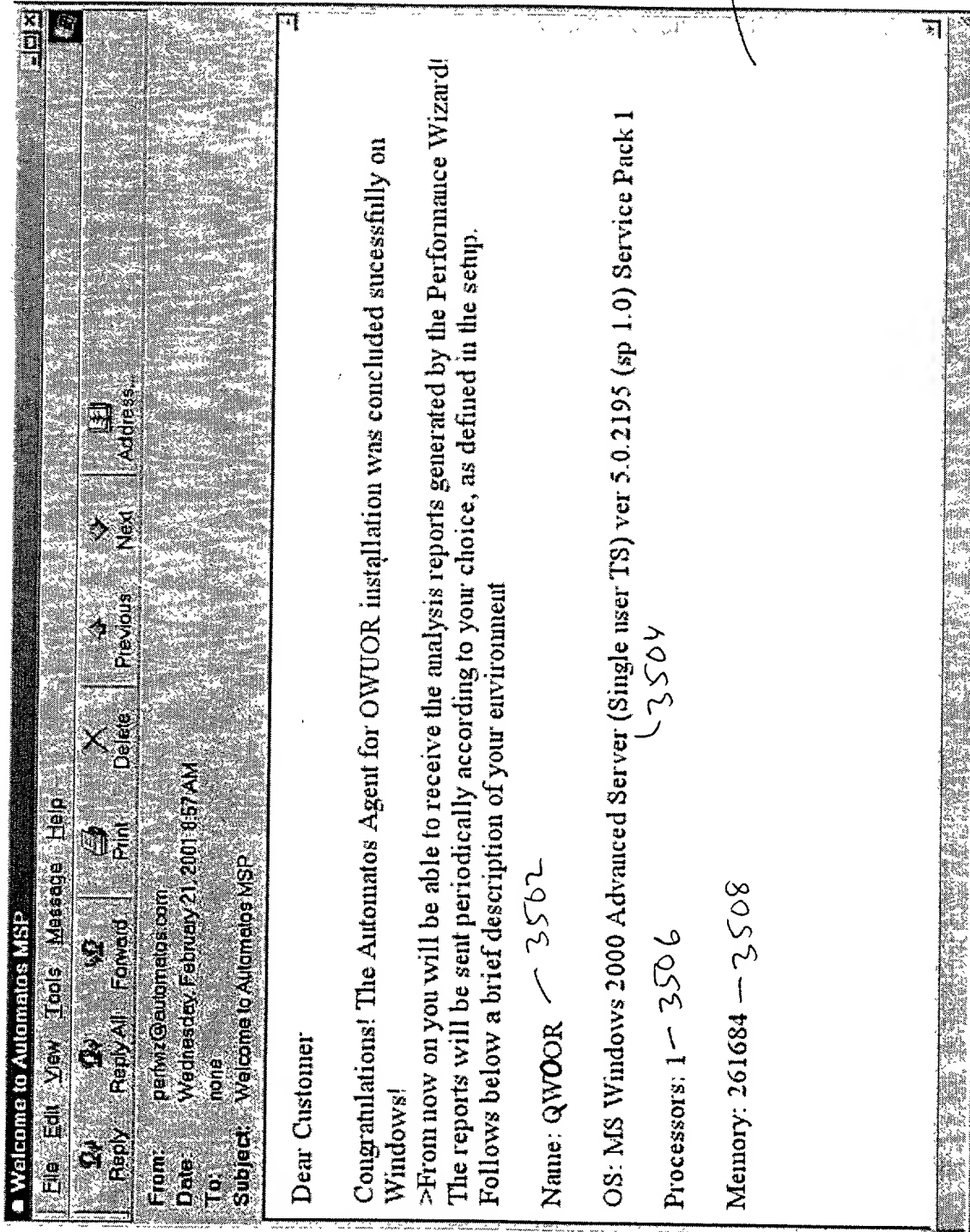


fig. 35

101150" 622E560

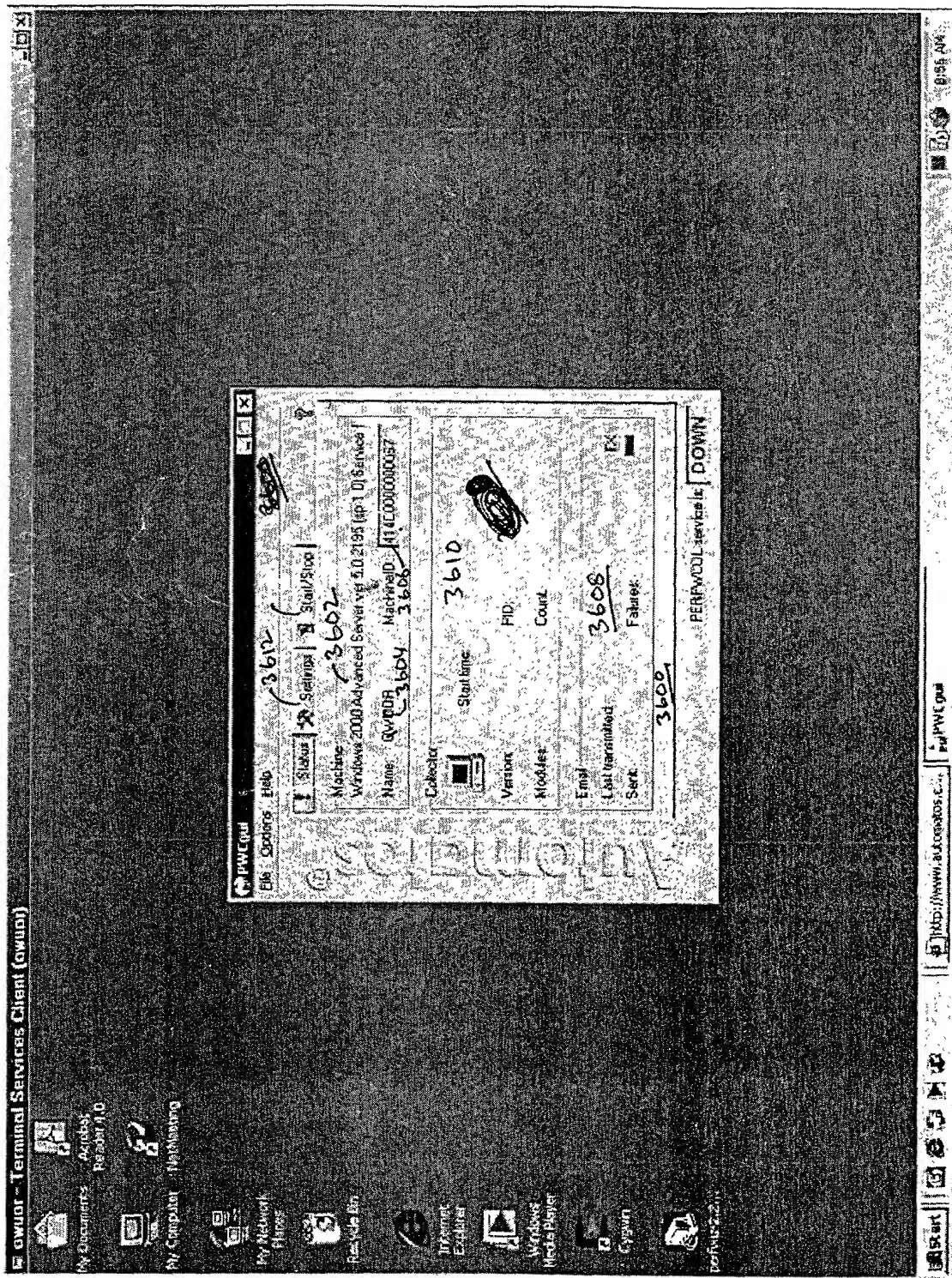


fig. 36



TOP SECRET

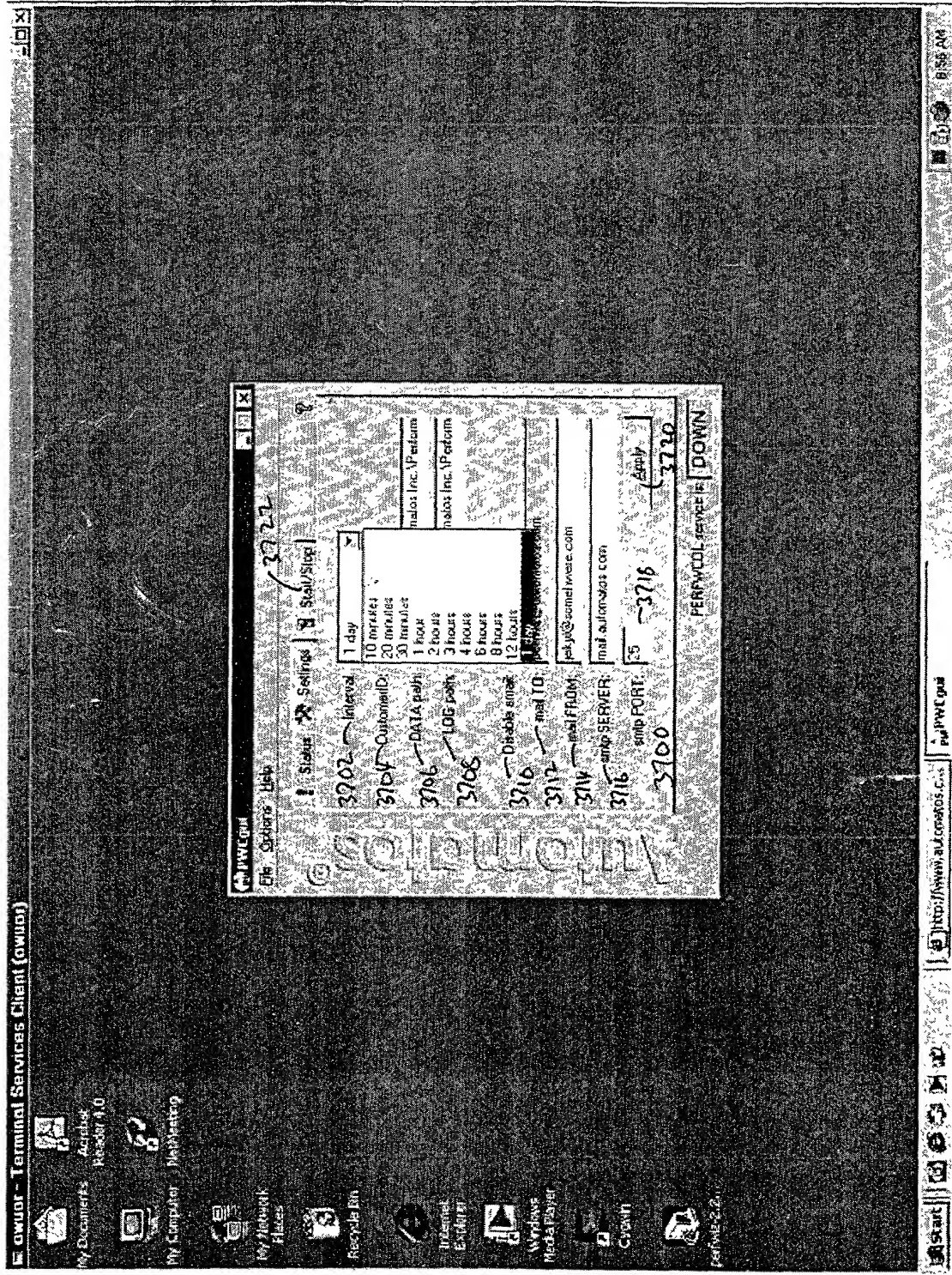


fig. 37

FOR T50" 688E5550

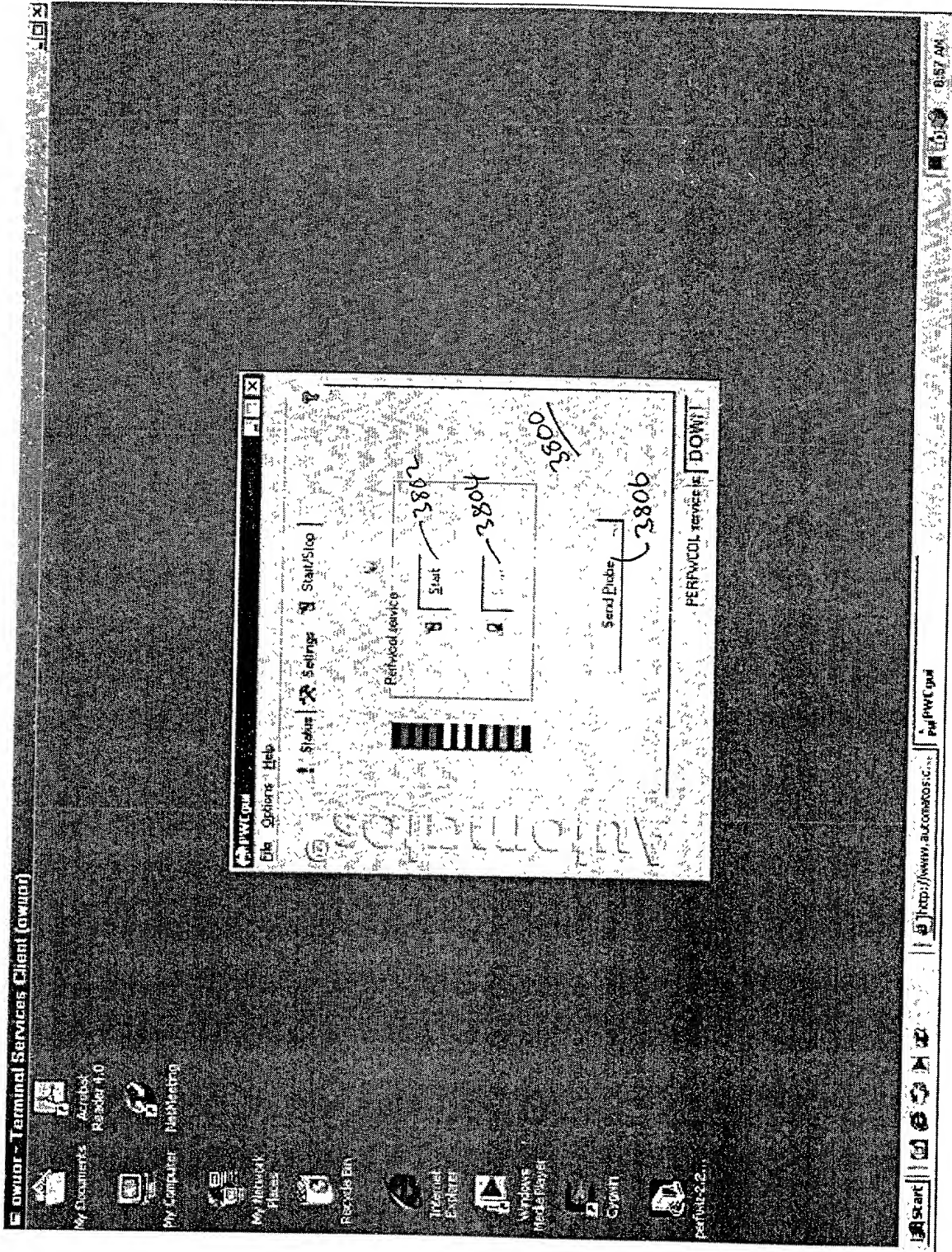


fig. 38